



For Information on HAM RADIO or Our Club - CALL 466-HAMS

THE NEXT MRAC MEETING

Date: Thursday - July 29, 1993

Time: 7:30 P.M.

Place: Wauwatosa Savings and Loan at 75th and State in Wauwatosa

Program: Program for July Meeting will be a talk on ~~Early~~ Digital Transmission by Fred Linn - W9NZF (who happens to be proficient both with CW on radio and American Morse on land line or telegraphy, and there is a difference).

August Meeting: Thursday - August 26, 1993

(=)
FROM THE PRESIDENT'S DESK

(=)

My thanks, once again, goes out to the active members of the Club - The members who make it happen!

Thank you - Jim Tromblay - WB9LNU, Wayne Schrubbe - N9RXM, Ted Stiller - WA9RDI, Dick Schlatterer - KA9MTY, Bill Fullhart - N9IBU, and many others who made this year's Field Day a fun day for over thirty members. If you didn't make it this year you missed a good one. I definitely suggest that you plan to join us next year.

Some other ways to be active are:

For the first time the Club will hold meetings in July and August. If you can find the time please come and join us.

The W9RH net on Friday nights (9:00 p.m. - 28.400 MHz) is growing in popularity. We had eleven check-ins on July 2nd. That's not bad for a holiday weekend!

The Saturday Morning Breakfast club is also a fun activity. Come join us at Maxim's (91st and Appleton Avenue) at 8:30 a.m.

How about getting active in our HAM school? We want to start on the first of September. A Novice, Technical and General class, along with a five and thirteen word per minute code class are possible - with your help.

As you can see above - NOW IS YOUR CHANCE TO BE ACTIVE!!!

73

Ed Wille

Ed - W9PWG



75
YEARS

of
Continuous
Club Activity!

W9RH

CLUB CALL

JULY-1993

CLUB OFFICERS:

President:	W9PWG
Ed Wille	461-5961
1st VP:	W9VQD
Travis Baird	352-9642
2nd VP:	W9UVV
Roger Zaur	242-4931
Secretary:	W9NZF
Fred Linn	377-3280
Treasurer:	WA9ONQ
Orv Stewart	527-2663
Board Chairman	WA9RDI
Ted Stiller	871-7486
Directors:	
Paul Boese	KB9FBM
	466-0697
Pancho Doneis	KA9OFA
	344-4694
Tom Fuszard	N9MGZ
	321-5845
Bill Jones	KF9FA
	781-4565
Catherine Kedney...	KA9MWT
	774-2114
Jack Krause	W9JK
	774-6999
Joe Rayome	KE9LL
	463-7668

Editor	
Pancho Doneis	KA9OFA
	344-4694
Circulation/Roster	
Jerry Thompson ...	WA9SFH
	354-6943

MILWAUKEE AREA NET INFORMATION

DAY	TIME	MEZ	ACTIVITY
DAILY	6-8 AM	14.290	Wisconsin/Florida Net
MON	8:00 PM	146.445	Emergency Net
MON	9:00 PM	146.670	ARES Net (Milwaukee-Waukesha)
MON	9:00 PM	50.160	6 Mtr. General Net
TUE	9:00 PM	145.130	MAARS Roundtable
WED	8:00 PM	28.365	10-10 International (Milwaukee Ch.)
THU	9:00 PM	50.160	6 Mtr. General Interest Net
THU	9:00 PM	146.910	Computer Net
FRI	9:00 PM	28.400	W9RH on the air MRAC Club Station Net
SAT	9:00 PM	146.910	Saturday Nite Fun Net
SUN	10:00 AM	443.800	FM-38 Link to 146.88 Baraboo SWAP Net
SUN	8:00 PM	28.365	10-10 International (Milwaukee Ch.)
SUN	8:00 PM	146.910	Information Net
SUN	9:00 PM	146.910	Swap Net

The 2 meter frequencies are -600khz offset FM repeaters. FM38 is +5 Mhz offset, tone 114.8 The 10 meter frequencies are upper sideband (USB). If there are additions, changes, or corrections to this list, please contact: Pancho KA9OFA. 344-4694

EDITOR'S NOTES

I wish to thank everyone who has been contributing to this, OUR news letter and encourage them to continue and others to join in the fun of being published. I couldn't do it without your news contributions.

Many of you have particular areas of expertise which have not shown themselves on these pages. Others of us would like to hear what you have to say whether it is in the engineering field, the communications field, PR business, project building, contesting, mechanical, CW, Packet, or what have you. Please write about it.

We'd like to hear what you have to say.
Don't be bashful.

We (the Club) **NEED YOUR SUPPORT!!!**

73's

Pancho

Pancho - KA9OFA

P.S. Congratulations are in order for **Amy Fitzgibbons** - N9RDV from Zion, IL who at the age of 10 years has upgraded from General to Advanced class license and passed the 20 WPM code test at the South Milwaukee Swapfest on July 10th. She received her General license while she was 9 years old. Amy's parents drove her up specially for the test.

Let' have a **BIG HAND** for the little lady.



FCC HAM RADIO EXAMS

Wednesday Exams

All Grades MRAC VEC *

Third Wed. of each month at 6:30 pm

Village at Manor Park (was Methodist Manor)

3023 S. 84th St.

Milwaukee, WI

Walk-ins are welcome, but preregistration is requested if possible. To register in advance, send a post card on which you have printed the grade of license for which you are applying, your name, address and telephone number to:

c/o Jack Krause-W9JR
1737 N. 116th St
Wauwatosa, WI 53226

c/o Les Peterson - W9TCV
or 9741 W. Howard
Greenfield, WI 53228

For more information call:

466-HAMS

Saturday Exams *

Last Saturday of Each Month

at 8:30 am

at Wauwatosa S&L

7500 W. State St. Wauwatosa

SWAT TEAM Exams *

2nd SAT of each month

at 1:00pm

Next testing April 10, 1993.

Wauwatosa S&L

6560 S. 27th ST.

Oak Creek, WI

Enter the north end of the building,
downstairs and follow the signs.

SEP.....11 NOV.....13
OCT.....9 DEC.....11

For more info call:
KB9QL - Norman McNew (414) 764-5998
or AA9DO - Joe Mettry (414) 761-9219.

* Bring your license (if any) and 2 copies also the same for CSCE's you may have. Originals will be returned to you.
\$5.00 charge for exams for ALL classes of license.

SOME HISTORY on the MILWAUKEE/FLORIDA NET

Here is a brief history on the Milwaukee/Florida Net taken from a letter written by Chas. Meyer - K4HQY:

"I have all the log books from the beginning, October 22, 1969. This year will be the 25th.

Mel - WA9ZPV and I worked for the Milwaukee Health Dept. for years. Mel had a HAM license but let it expire as his interest turned to Model Rail-Roading. The first Time I visited Mel was to see his model RRD setup. It was a dandy and I have never seen a better one. Mel climbed up in the control seat and assembled a train of engine, coal car, 12 freight cars and a caboose. After assembly, he put them on the main line, we watched the crossing gates go up and down, warning signals operate as the train went through the villages. It was very interesting and Mel is a thorough workman in everything he does.

October 1966 I retired and went to Pensacola. Due to making house changes, I did not operate much the first two years. I had a DX-100 and a home-brewed receiver. I had a half wave 40 meter antenna and worked the world with it because of the location on the gulf.

After May 1968, I began to look for Milwaukee stations. I worked a number on CW, but was looking for a phone patch. Early July QSO with W9WVL. He was recuperating from a fall and we made a daily sked. On Oct. 22, after QSO with George, Mel WA9PZU called. We had a long QSO and made Sked for Sat. and Sun. on 14.290 MHz. at 9:00 a.m. Mel said he had vacation the next week and he could be on every day. We completed every one and thus began the net. Sept. 8, W9CGD - Herb Parrish and W9UH - Lynn Lewis checked in. Sept 11, W9GIL - John Scarvaci checked in after 40 meter QSO. Mel had skeds with international net and Sister Mark and Father Leopold so he only had a half hour.

Oct. 28 W9CAS - Herb Baker and W9LSH - Clarence Hammesh checked in. Mel was using an NSB-200 with a four element monobander on

20. I had a KW linear with a sterba curtain 4 half waves in phase. My call was changed to K4HQY..

Good condx during this time. June 1969 June 1970..

Oct. 10, K4PG ex-W9UH checked in from new QTH - Clearwater Fla.

Dec. W9DFJ and W9PST came aboard.

April 17 W9EQP came aboard. He has been a very steady customer and filled in for Mel when Mel was absent.

During this time condx were very bad. In spite of KWs and beams on both ends there was one period of six weeks when no contact was made. Quite a few Wisconsin hams had moved to Florida and other spots in the south. These stations began to check in when Mel could not hear me.

So the net continued. In summer condx picked up. Mel retired and we set up the sked for every day. DX was excellent and asian stations could be worked every morning on 20.

New check-ins: W9GAH, W9PXA, and YN4LGS. Father Leopold used to act as relay station when Mel and I could not hear each other.

Dec. 1972 - June 1973.

Oct. 14, W5TGU, Phoenix, Ariz., checked in. He is an ex-member of MRAC. Glad to hear him again.

February. W9DDB, W9FJE, and W9PRD joined us. From this point on Mel kept track of the check-ins. The daily check-ins now average 25-35.. The highest number must be around 50. As K14WV said, "Those of us who have moved from Milwaukee like the net a lot and consider it our link to Milwaukee."

The old Maestro, Mel, is temporarily laid up but will be back soon, I am sure. In the Mean time the net will be in the capable hands of W9EQP, my pal, bald headed Bill."

73,

Chas.
Chas

SILENT KEYS

Richard Oberholtzer - W9ZPV

Richard, Ex-president of MRAC is silent key at age 84. He signed off the log on Sunday, July 11, at Elmbrook Memorial Hospital where he had been hospitalized since Thursday.

He was a pioneer on local VHF, president of MRAC in 1957 and also 1969-1972, a founder and charter member of QCWA, Chapter no. 55 founded March 20, 1971 and was a regular on the Monday night 2 meter net.

A 1933 graduate of the University of Michigan, he moved to Elm Grove in 1953.

He was a charter member of the Elm Grove Fire Department and former chairman of the village's Fire and Police Commission. He worked as salesman and district sales manager for Kennametal Inc. Oberholtzer started Radar Special-

ists (Police radar calibration), a radar repair business in Elm Grove and worked until the age of 80.

He is survived by his wife, Ruth and four children, Suzi Redifer of Saginaw, Mich. David of San Diego, Calif., Janet Schoenacker of Elm Grove and James of New Berlin, Seven grandchildren and three great-grandchildren.

Russell E. Burlingame - N9KHE

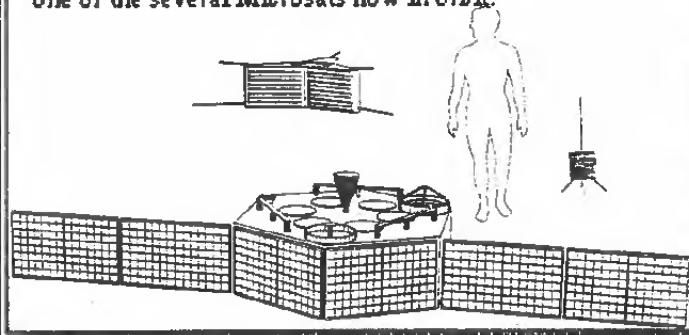
Russ, Age 73 signed off on Tues. July 13. He was quite active in Milwaukee Radio Amateur's Club helping to publish the newsletter for several years and designed the masthead for same. He was also active in the 6.91-Milwaukee Repeater Club serving on the friendship committee.

New Satellite Phase 3D Aim for 1996 Launch

Phase 3D ... Taking Amateur Radio into the 21st Century!

NOT A LIGHTWEIGHT!

Shown here is AMSAT's Phase 3D satellite as it will appear after being lofted into space by the European Space Agency's Ariane 5 launcher. In the middle of the "top" of the satellite---the side that will always be pointing toward Earth once the satellite is in orbit---is the nozzle of the motor that will provide the boost into final orbit. Surrounding the nozzle are the antennas for the various bands of operation. For comparison, above the Phase 3D satellite to the left is a scale drawing of AMSAT's successful OSCAR 13 satellite in the center is a human outline, also drawn to scale and to the right is one of the several Microsats now in orbit.



AMSAT's Phase 3D satellite will utilize amateur bands from 29 MHz (10 meters) to 10.5 GHz (3 centimeters). Phase 3D's high-gain antennas, powerful transmitters and sensitive receivers will bring satellite communications within the reach of virtually every radio amateur! Camera and bulletin experiments will add spice to this giant "repeater in the sky."

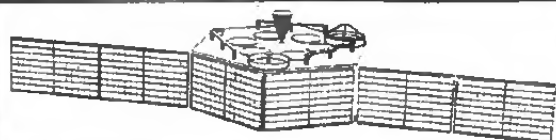
Phase 3D is no lightweight. At launch, the satellite will weigh

nearly 900 pounds! The package is a hexagonal design, 44 inches on a side and 26 1/2 inches high. Solar panels will unfold after launch, using a double hinge mechanism, to bring the total span to 21 feet.

EASY TO USE

Once in orbit, Phase 3D will not require sophisticated tracking. For users in the northern hemisphere, the satellite's highly elliptical orbit means that it will rise rapidly in the sky and will appear to hang, almost stationary, for several hours at about the same time every other day---perfect for making schedules with simple equipment, even while mobile! For operators seeking the best DX, there will be low-elevation passes available at other times.

For more information on this project refer to the two-part article by AMSAT President Bill Tynan, W3XO, and Engineering Vice President, Dick Jansson - WD4FAB, in May and June 1993 issues of QST



PHASE 3D NEEDS YOUR SUPPORT!

Please contact the ARRL with your contribution to help this worthy project become a reality. And send whatever you can to:

The American Radio Relay League

225 Main Street
Newington, CT 06111



AMATEUR RADIO
A NATIONAL RESOURCE

I certainly think that a donation by our club to this worthy project would be a great way for one of the oldest ARRL affiliates could usher in a new era of technology and also the 21st century.

Club Meetings

(=)(=)(=)(=)(=)(=)(=)(=)(=)(=)

West Allis Radio Amateur Club

Meets the second Tuesday of each month
at 8:00 p.m.

At St. Peter's Episcopal Church
7929 W. Lincoln Ave.
West Allis, WI

Miller Valley Radio Amateur Club

Tuesday evenings at 6:30 p.m.
at 703 N. 39th St., just north of and almost under
the former Wis. Ave. viaduct.

For info contact: Art - WA9AWJ
(found daily on the 145.13 repeater).

Packet Users Group

Third Saturday of each month

8:00 pm-11:00 pm

Security Bank

7600 W. Layton

Milwaukee, WI

(=)(=)(=)(=)(=)(=)(=)(=)(=)(=)

CLUB ACTIVITIES

(=)(=)(=)(=)(=)(=)(=)(=)(=)(=)

W9RH- TEN METER NET

Come on up and join us on W9RH
Ten Meter Net on Friday evenings at
9:00 PMat approximately 28.4 MHz.

We'd like to meet you there.

(=)(=)(=)(=)(=)(=)(=)(=)(=)(=)

Y'all come! to the MRAC HAM BREAKFAST

every Saturday morning
at 8:30 o'clock.

Maxim's Restaurant
9143 W. Appleton Ave.
(corner of 91st St.
and Appleton Ave.
near Timmerman Field)

Prices are reasonable, the food - good,
and the company - excellent

(=)(=)(=)(=)(=)(=)(=)(=)(=)(=)

Friday Evening CQ Food

First Friday of the month Fishfry

Serb Hall at 51st and Oklahoma

Call: Warren - K9IEV

on th 146.91 - offset

for reservations by Noon on that FRI.

Other Fridays

Check in 5:00 pm

Decision & finalization at 6:00pm

and meet at

CQ Food destination at 7:00pm

Other CQ Foods on a random basis

also called on this repeater

"CQ Food" on WA9JOB 146.91 Repeater.

NEWS CONTRIBUTIONS

Articles and information for
the newsletter should be received
by the editor no later than the first
of the month of publication. If re-
ceived after the first of the month,
its inclusion in that month's edition
cannot be guaranteed. Your coop-
eration is appreciated.

Please mail submissions to:

Hamateur Chatter

c/o Pancho Doneis, KA90FA
1958 N. 38th St.

Milwaukee, WI 53208

You may also call me at:

344-4694.

Thanks to our news contributors this month:

K4HQY

WB9LNU

W9PWG

W9JK

W9NZF

W9UVV



TO ALL WHO HELPED MAKE FIELD DAY A SUCCESS

I want to thank everyone who came to
Field Day this year. Our total points came
to approximately 1188. I think everyone
had a nice time. On Saturday night we had
a visitor from Pennsylvania who was in our
area and spent some time with us so he
wouldn't miss field day. I think Wayne -
N9RXB did a very nice job as Field Day
Chairman. He put in a lot of time and effort
to make things nice for us. Thank you, Sue
Meyers for helping with the signs which
will be usable for all future club outings.

I know we spent a lot of time talking
with each other instead of being on the air
every minute, but the conversations were
delightful and fun. Altogether there were
35 of us plus some wives, daughters, and

sons for our picnic.

Thanks again for coming.

Jim - WB9LNU

(=)(=)(=)(=)(=)(=)(=)(=)(=)(=)

P.S. Congratulations to Pat Wilken, one of
the club's students, on her new call, she
just received - N9UFL -.

(=)(=)(=)(=)(=)(=)(=)(=)(=)(=)

P.P.S. Wayne Schrubbe just got his own
barber shop, much to his amazement. It's
called Wayne's Barber Shop and Styling
Salon and it's located at 1370 S. 71st St. and
the phone is 777-1166.

Good Luck Wayne!!!

Table of Contents

Item	Page
Club Activities	5
Editor's Notes	2
Exams (MRAC-VEC)	2
Field Day Success	5
Milwaukee Area Net Info ..	2
New Satellite	4
News Contribution Info ...	5
News Contributors	5
President's Message	1
Silent Keys	5
Upcoming Events	6
Wis./Fla. net history	3

***** UPCOMING EVENTS *****

* Signifies VE Testing

Eau Claire HamFest-93 *

SAT - July 24, 1993
Chippewa Falls, WI
T/I on 146.91/31 Rptr.

Fox River Radio League's 1993 Hamfest *

SUN - AUG 1, 1993
Sugar Grove, IL
T/I on 145.470 -600 Rptr

Racine HamFest *

SAT - AUG 14th 1993
South Hills Country Club
Racine, WI
T/I on 147.27 Simp

Radio Expo *

SAT - SEP 25th &
SUN - SEP 26th, 1993
Grayslake, IL
T/I on 146.16/.76 Rptr

KMRA Swapfest *

SUN - OCT 10, 1993
Waukesha EXPO center
Waukesha, WI
T/I on 147.39+ Rptr

WARAC Swapfest *

SUN - JAN 9, 1994
Waukesha, WI

*To put your SwapFest Here -
Tell us about it*

Milwaukee Radio Amateurs' Club
P.O. Box 25707
Milwaukee, WI 53225

Celebrating
75 Years!

of Continuous Club Activity.

THIS MEETING
THU - JULY 29, 1993
at 7:30 PM
Wauwatosa
Savings and Loan

See Inside.

August Meeting - AUG 26th



W9NZF .P/93 J1/75
FRED A. LINN
N59 W5608 EDGEWATER DR.
CEDARBURG, WI 53012